

AUSTIN CITY COUNCIL

AGENDA



Thursday, June 22, 2006

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#27

Public Works RECOMMENDATION FOR COUNCIL ACTION

Subject: Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, Austin, TX, for the Davis Water Treatment Plant – Filter Process Improvements and Valve Replacements project in an amount not to exceed \$4,875,000 plus an amount not to exceed \$243,750 contingency, for a total contract amount not to exceed \$5,118,750.

Amount and Source of Funding: Funding in the amount of \$5,118,750 is available in the Fiscal Year 2005-2006 Approved Capital Budget of the Austin Water Utility.

Fiscal Note: A fiscal note is attached.

Additional Backup Material

(click to open)

- ☐ MWBE SUB GOALS
- ☐ MAP
- ☐ AWU Fiscal Note - 00192w
- ☐ COMMISSION RECOMMENDATION
- ☐ WWW Commission Recommendation

For More Information: Keri R. Burchard-Juarez, PE, 974-7298; James W. King, PE, 972-1794; Laura Bohl, 974-7064.

Prior Council Action: A Professional Service Agreement with Lockwood, Andrews and Newnam, Inc. for preliminary and design phase engineering services was approved on January 13, 2005. An amendment to the Professional Service Agreement with Lockwood, Andrews and Newnam, Inc. for additional design and construction phase engineering services was approved on January 12, 2006.

Boards and Commission Action: Recommended by the Water and Wastewater Commission.

Purchasing Language: Lowest of four bids received.

MBE/WBE: 37.43% MBE and 0.09% WBE subcontractor participation.

The Davis Water Treatment Plant (WTP) has a rated treatment capacity of 120 million gallons per day. The plant is a conventional lime softening plant, with rapid mix basins, flocculation basins, sedimentation basins, gravity filters, clearwell storage, and raw water and finished water pumping stations. Powdered Activated Carbon is added for taste and odor control, and settled water pH is adjusted with carbon dioxide. The plant was constructed in 1954 and expanded in 1961 and 1973, with additional improvements in 1986, 1993, 1997, 2000, 2002 and 2003.

Much of the existing equipment at Davis WTP has exceeded its useful life and the integrity of certain components has been compromised by corrosion and age. Lockwood, Andrews and Newnam, Inc. was selected in late 2004 to evaluate the plant's filtering system and recommend modifications to improve system reliability and enhance the treatment process. Preliminary and design phase engineering was performed during 2005. The proposed improvements include replacing 27 24-inch backwash valves with pneumatic actuators, 27 20-inch flow control valves, 18 6-inch surface wash valves with pneumatic actuators, 27 8-inch drain valves, the backup

backwash pump and motor, nine existing sedimentation basin turbidity probes/sensors, 27 filter turbidity transmitters, existing filter level sensors and existing settled water channel level monitoring devices; removing 24 20-inch effluent valves; adding electric actuators to 27 30-inch influent valves and 27 36-inch waste valves; adding a backwash isolation and control valve; repairing corrosion on existing piping; and sealing wall penetrations of 6-inch surface wash lines.

Work is expected to start in August 2006 and continue until June 2007. A "Meet the Contractor" meeting will be held prior to the start of construction to provide information about the project to nearby residents.

Due to the potential for unexpected factors when constructing plant rehabilitation projects, a 5% contingency is included to allow for the expeditious processing of any future change orders. The contract allows 300 calendar days for completion of this project.

Bid documents were distributed to 17 general contractors. Bids were opened May 18, 2006. Excel Construction Services, LLC submitted the lowest of four bids received:

Excel Construction Services, LLC, Austin, TX	\$4,875,000.00
Matous Construction Ltd., Temple, TX	\$4,937,000.00
Laughlin Thyssen Ltd., Houston, TX	\$5,471,000.00
Keystone Construction, Inc. Austin, TX	\$7,305,000.00

The contractor's choice of work methodology provides for subcontracting opportunities in five areas which are listed below. Participation subgoals stated in the solicitation were 7.97% MBE and 4.67% WBE. Total participation estimated on base bid amount of \$4,875,000.00:

NON M/WBE TOTAL - PRIME	\$1,287,317.00	26.41%
Excel Construction Services, LLC, Austin, TX	\$1,287,317.00	26.41%
MBE TOTAL - SUBCONTRACTORS	\$1,825,000.00	37.43%
T. Morales Company, Florence, TX (Electrical)	\$1,825,000.00	37.43%
WBE TOTAL - SUBCONTRACTORS	\$4,251.00	0.09%
AFS Environmental, Inc., Austin, TX (Erosion control)	\$4,251.00	0.09%
NON M/WBE TOTAL - SUBCONTRACTORS	\$1,758,432.00	36.07%
Controls International, Dallas, TX (Instrumentation & controls)	\$1,326,000.00	27.20%
Fastco, Laredo, TX (Paint and coatings)	\$238,432.00	4.89%
Ferguson Waterworks, Austin, TX (Pipe and fittings)	\$194,000.00	3.98%

The Contractor submitted an M/WBE Compliance Plan that demonstrated a Good Faith Effort and was approved by the Department of Small and Minority Business Resources. Second and third low bidder information is provided.

SECOND BIDDER - Matous Construction Ltd., Temple, TX - \$4,937,000.00
 27.55% Non M/WBE prime participation; 3.95% MBE; 37.05% WBE; 31.45% Non M/WBE subcontractor participation.

THIRD BIDDER - Laughlin Thyssen Ltd., Houston, TX - \$5,471,000.00
 67.83 % Non M/WBE prime participation; 27.42 % MBE; 4.75 % WBE subcontractor participation.

CIP FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:
WHERE ON AGENDA:
DEPARTMENT:

06/22/06
Resolution
Austin Water Utility

DESCRIPTION:

Authorize execution of a construction contract with EXCEL CONSTRUCTION SERVICES, LLC, Austin, TX, for the Davis Water Treatment Plant – Filter Process Improvements and Valve Replacements project in the amount of \$4,875,000 plus a \$243,750 contingency, for a total contract amount not to exceed \$5,118,750.

FINANCIAL INFORMATION:

Parent Project Name:	Water Unfunded Future
Project Authorization:	2005-06 Approved Capital Budget
Funding Source:	Commercial Paper
Number:	3960 227 1019

Current Appropriation	\$ 352,445,739.00
Unencumbered Balance	128,535,167.11 *
Amount of This Action	<u>(5,118,750.00)</u>
Remaining Balance	<u>\$ 123,416,417.11</u>
Current Available Balance	\$ 134,235,372.82
Less Outstanding Commitments	<u>(5,700,205.71)</u>
Estimated Unencumbered Balance	<u>\$ 128,535,167.11 *</u>

Utility Finance:


David Anders, Utilities Finance Manager

Date:

6/9/06

REF. # 3960 227 7140

No. 061406-F

**RECOMMEND THE EXECUTION OF A CONSTRUCTION CONTRACT WITH
EXCEL CONSTRUCTION SERVICES, LLC. AUSTIN, TX, FOR THE DAVIS WATER
TREATMENT PLANT - FILTER PROCESS IMPROVEMENTS AND VALVE
REPLACEMENTS PROJECT IN THE AMOUNT OF \$4,875,000 PLUS A \$243,750
CONTINGENCY, FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$5,118,750.**

**June 14, 2006
REGULAR MEETING
VOTE: 6-0-0-3**

Motion made by: Chan

Commissioners Consenting: Coleman, Lee, Gonzalez, Jr., Raun, Scott-Ryan

Commissioners Dissenting:

Commissioners Abstaining:

Commissioners Absent: Chairman Warner, Friese and Pool

The Water and Wastewater Commission recommend approval of an execution of a construction contract with Excel Construction Services, LLC. Austin, TX, for the Davis Water Treatment Plant - Filter Process Improvements and Valve Replacements project in the amount of \$4,875,000 plus a \$243,750 contingency, for a total contract amount not to exceed \$5,118,750.


Chien Lee, P.E., Vice Chairperson
Water and Wastewater Commission

6-14-06
Date